



OUTVARC

OREGON TUALATIN VALLEY AMATEUR RADIO CLUB

APRIL - MAY 1980

'Well now, where you boys going with all those radios?' FIELD DAY. Where else! Won't be long now. Food, fun, games, swimming and CQ FD. Make your plans now for a great weekend. We have need of two tri-banders. (The towers are available.) If you have one to loan, speak up. As the sign up sheets were for the most part ignored, you most likely will be called by our fearless field day leader. We must have the information which was requested on last months newsletter. We had eight sheets turned in out of 52 members. It is difficult to believe that our interest is that low. Last year we had something like 26 members and over 30 were there to enjoy the outing. C'mon, some co-operation would be appreciated. The outing takes a lot of planning and preparation and it is all for YOU!! Think about it.

Our trusted treasurer just informed me he made his number 50 state for WAS. One of the last ones was Wisc.. Wierd! Next thing you know someone will be saying they need a 6 for #50. Hmmm. Congrats to WB7RKC. Larry got his act together well enough to pass 13 wpm and get his General. Nice going Larry. Bet you could have forgotten the elevator and just floated down to the street. Right?

A forgotten comment---about our treasurer. He and his XYL managed to pile up two (2) cars in one week. Now that takes talent. Luckily no one was injured. I have often wondered about those Advanced class guys.

Hate to make this a gripe sheet BUT-it would be very much appreciated if, when a guest speaker is doing his thing, you save your #?@**?! rag chewing for AFTER the meeting. We are all adult enough to not have to be asked to sit in the front row. I hope! VERY embarrassing to have QRM during a program. Thanks in advance.

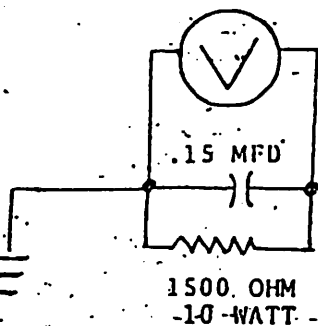
Roland, Winn, Bob and Janet, Carter and yours truly were at the rehab center for the handicapped a few weeks ago and the new ARRL film was shown. Winn and Carter were kind enough to set up both low band and high band demonstrations. The attendance was rather limited but a good start for the Handi-Ham club project. Thanks to those named for their donated time. A GOOD project.

We welcome Ray, N7ALV and Leonard, W7CAG as new members. Very nice to have you guys.

Won't bother Kirk anymore. He FINALLY showed up.



GROUND EARTH
GROUND SUCH
AS THE
WATER PIPE
CONDUIT, ETC



PLACE THIS PROBE
ON EACH EXPOSED
METALLIC PART
(CABINET ETC.)

Safety against electric shock

Tom Rosica, W2GIR

How many times have you worked on a piece of electrical equipment and received an uncomfortable shock? After further checks, you may have realized it was some simple "normal" AC leakage to ground, which sometimes must be tolerated for line-to-chassis bypass capacitors.

Have you ever wondered how much leakage was acceptable — where do you draw the line — and how can you make such a measurement?

The Consumer Electronics Group of Electronic Industries Association (EIA) has a guideline designed to be used by radio and TV service repair people. This covers their service obligation to deliver a safe unit to the user.

You should always be conscious of the safety aspects of each piece of equipment, and never be tempted to ignore any of them. The guideline covers the following:

AC leakage test

Do not use an isolation transformer during this test. Use an AC volt-meter having 5,000 ohms per volt or more sensitivity in the following manner:

Connect a 1500-ohm, 10-watt resistor paralleled by a .15mfd AC type capacitor

between a known good earth ground (water pipe, conduit, etc.) and the exposed metallic parts, one at a time. Measure the AC voltage across the combination 1500-ohm resistor and a .15mfd capacitor. Reverse the AC plug and repeat AC voltage measurements for each exposed metallic part.

The voltage may measure as much as 7.5 volts RSM. (This corresponds to 5 mA AC.) Any value exceeding this limit constitutes a potential shock hazard and must be corrected immediately.

The lower this value, the better. Any value exceeding this limit should be corrected immediately, as a defect is indicated, which may lead to a potential shock hazard and potential death.

As amateurs, we often have contact with gear that should pass the above test. If the leakage is too high, we probably should look deeper into the cause, and naturally find a remedy. For extra protection, we should always ground all equipment, with a separate ground wire — to insure against any possible shock hazard.

Remember, you do not want to find out your equipment is a shock hazard when you are making antenna connections at the top of your tower, or on your wet lawn!

Alive and well today, thanks to Ham Radio

Paul Strait, W7RZF

After building the *Jubilee*, a 32-foot ble ended glass cutter, and cruising summers on the British Columbia coast. Steve Cathers and I departed the Columbia River on 17 August 1979 for what might have been a world cruise.

Our stay in the Mexican Baja was very enjoyable. The dedication of the Manana Net boys was much appreciated in running patches to our families at home.

Thirty-three days and 4,000 miles after leaving La Paz, Baja we anchored off Pitcairn Island and stayed with the islanders for a month. This was a never-to-be-forgotten experience: It was an honor to work and play with these hospitable folk and meet Tom Christian, VR6TC, whose QSL is coveted worldwide. Incidentally, a new call, VR6KY, will soon be on the air when Kari Young gets her rig and antennas installed.

At 0200 on the morning of 2 February 1980, just nine days out of Bounty Bay and on a course for Papeete, Tahiti, the *Jubilee* struck a reef on Fangataufa atoll. Fortunately, the huge breaking seas did not dislodge our 20 and 15 meter Hustler whips, which were mounted on the stern rail.

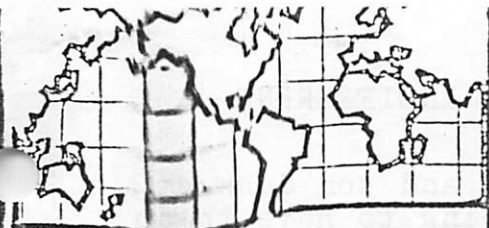
Our Mayday was picked up by VK4VJ on 20 meters and our position was relayed to proper authorities. The French helicop arrived soon after daybreak and evacuated us to Mururoa, and then 900 miles to Papeete.

Fangataufa and Mururoa atolls are the high security sites for French nuclear testing and are off limits to yachts. Fangataufa has been evacuated because of the high radiation, so unfortunately the authorities would not allow us time to salvage much of the equipment. We were shown much consideration except for the interrogation from the French police and secret service.

We are alive and well today, thanks to Ham Radio.

The article by Paul Strait-W7RZF was a feature item in the April 20 Northwest section of the Oregonian. If you happened to miss it you may be in luck. An attempt will be made to obtain a program from Mr. Strait. A program on such a trip would be more than welcomed, even by avid VHF enthusiasts. Pitcairn and Tom Christian would have to rank high in interest for any Amateur. Let's keep our fingers crossed !!

THE SHORT, HAPPY VOYAGE OF JUBILEE



DX WORLD

Hong Kong
If you are looking for this one on 80 meters, try VS6DO, who offers CW on 3507 kHz and SSB on 8707 kHz daily. He claims Stateside stations can hear him as early as 2200 UTC. You may meet him any day on 14.205 MHz between 1400 and 1600 UTC to arrange schedules. On 20 meters, VS6DO As for Hong Kong, VS6CT around 1500 is often joined with VS6DO. He can be found close by. UTC. Also, VS6DO can be found close by.

Potentially Deadly threat

A potentially deadly threat exists in many operating rooms due to PCB, the potent cancer-causing chemical widely used as a high-voltage insulator until a recent ban imposed on its use by the Environmental Protection Agency. Polychlorinated biphenyls have been widely used in the manufacture of capacitors and transformers since the early 1950s. Many amateurs are currently using PCB-filled capacitors in their high-voltage supplies without being aware of the potential hazard.

There is no danger so long as seals are intact, but if a capacitor could have grave health consequences. Amateurs who suspect their oil-filled capacitors might contain PCB — GE's Powerstat is a well-known example — should carefully inspect the seals carefully for leakage. If the seals are damaged, the capacitors are to be thrown away to avoid stress.

Damage to the PCB-filled components should be thrown in the garbage; in the case of a quart of PCB except in a sealed container, government-approved disposal is required.

Did you hear that?

Bob McGee
Some of you hear on 2-meter FM repeat. Like the one with an Advanced license who had no meter on his mobile. He heard the other fellow's signal. He overheard the signal coming. The output of the repeater from the station. This is the reason why you should be educated. A friend of mine is inter-

reports he will be in Rangoon, Burma, with a medical team mid-April for a period of about two months. He anticipates permission to be granted for operation on one frequency on 15 meters, SSB only, and under supervision of government officials. The call sign XZ0UT was given. (Also XZ5AC was another one listed.)

George may not be the only one looking for operation. I have seen another report that Chester, HS1AIV (remember Chester of XV5AC fame?), is pushing for operation from Burma — and with that call, XZ5AC.

Papua New Guinea

This is a fairly new country; it came about with the merger of the Australian holdings, Territory of New Guinea and Papua Territory, a few years back. Both territories were formerly part of the VK9 district.

P29KK is busy daily on CW at the low end of 40 meters from 1100 to 1200 UTC. If conditions are good, he can also be found above the low end of 80 meters from 1200 UTC.

The Bird of Paradise Award is offered for contacting at least five different stations in at least three provinces of Papua New Guinea. I discussed this award in the October 1978 issue, page 63; I also listed the provinces. If you qualify, send your certified list with a fee of 10 IRCs to Awards Committee, PO Box 204, Port Moresby, PAPUA NEW GUINEA.

holding power

Larsen Electronics, Inc. of Vancouver, Washington has improved their magnetic mount design to give it even stronger holding power and reduce even further the chance of scratching the vehicle finish.

Larsen's super-strength magnetic assembly has been up-engineered to closer tolerances for more holding power per square inch. Every magnetic mount leaves the Larsen factory fully "charged" to maximum flux density.

In addition, the Larsen magnetic mount has a new boot of resilient Nordel that will not crack or harden even with long term exposure to weather and sunlight. This rubber-like boot also minimizes the possibility of scratching the finish of the vehicle to which it is attached.

Also, the capacitive coupling shield on the underside of the mount has been beefed up to make it less subject to accidental puncture stress.

For more information, write Larsen Electronics, Inc., PO Box 1686, Vancouver, WA 98668. □

modulation. A simplex signal on your repeater frequency is not intermodulation, nor is a legitimate signal coming in from another repeater on the same frequency. Intermodulation is something else. Look it up in any good technical reference book.

You'll often hear complaints about someone's using a "repeater frequency" for direct communication, and at times repeater members will go so far as to warn the other user. It might be a good idea for them to

Depending upon where you reside, the "most wanted list" of DXCC countries is not necessarily a constant. On the other side of the Pacific, Ken-Ichi Suzuki, JA3BG recently collected and compiled such a list for 21 members of the Japan DX Radio Club. The results are as below:

1. VS9K, 70	Kamran Island	80%
2. BY	China	76%
3. ZA	Albania	
4. HK0	Malpelo Island	67%
5. VK0	Heard Island	62%
6. FR	Glorioso Island	57%
7. TL	Central Africa	52%
8. XZ	Burma	
9. 9U	Burundi	
10. 3X	Guinea	48%
11. HK0, KP3	Serrana Bank	43%
12. TZ	Mali	
13. VS9, 70	South Yemen	
14. VU	Laccadive Island	
15. HK0	Bajo Nuevo	38%
16. CE0X	San Felix Islands	33%
17. J5	Guinea-Bissau	
18. LU, VP8	South Sandwich Islands	
19. TY	Benin	
20. 3Y	Bouvet Island	
21. 5A	Libya	
22. 8Z4	Saudi Arabia/Iraq	
	Neutral Zone	29%
23. PY0	St. Peter and	
	St. Paul's Rocks	24%
24. S9, CR5	Sao Tome	19%
25. TN	Congo	

1980 Amateur Radio Equipment Directory

Kengore Corporation announces the publication of the all new 1980 edition of the Amateur Radio Equipment Directory. This is the fifth edition of this valuable master reference guide to amateur gear.

The 1980 edition contains the listings for over 1,500 products and 100 manufacturers and distributors. Included are hundreds of pictures, product specifications and list prices. Included with each edition is a newsletter with the latest products and price changes.

The 1980 Amateur Radio Equipment Directory is available at your local Amateur Radio dealer or direct from the publisher at \$5.50 per copy (includes U.S. postage only). The publisher is Kengore Corporation, 9 James Avenue, Kendall Park, NJ 08824.

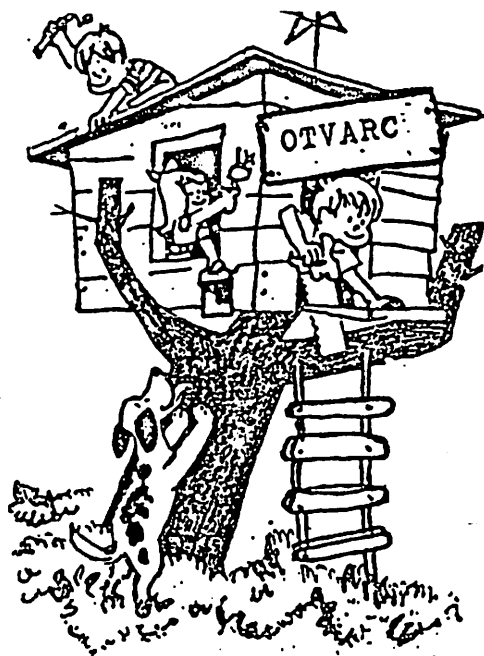
The 1980 edition is edited by Ken Gordon.

read the FCC regulations.

There are no repeater frequencies by law. Anyone can use them, although simply of a frequency employed by a repeater makes little sense.

On a broader scale, there is misunderstanding of where CW may be employed. Just because portions of the various bands are set aside for CW only does not mean the phone portions are for phone only.

NEWS: GOOD BAD AND INDIFFERENT



Nice to see Mrs. Reed and son John at the last meeting. Going to have to do a little arm twisting to get John going on his Novice license. Are you ready for a little twisting John ??

At the last meeting of the AARG (92-32) Board of Directors it was decided to make the acting Pres. of OTVARC an automatic member of said Board. This will be advantageous for all concerned. So it says in fine print. Perhaps a little more publicity for OTVARC as well as more support for the AARG group. Emergency Services is one of the most

important aspects of Amateur Radio and AARG is very deeply tied in with same. It may be advisable for WWR to give the club an in-depth story on the actual standing of AARG, both in the present standing and what may be expected in the near future. As it is now, AARG has very little going for it in regard to informing it's members as to what is happening. You pay your \$20.00, get your okay to operate the autopatch and that is it. There are needs on both ends and maybe we can come through with our share. You will hear much more on the subject!!

Mention has been made as to the advisability of the club offering a certificate of appreciation to those people who give us an outstanding program or those who may give us the use of their property for Field Day or any other function. What do you think about it? The cost would be minimal and it would most assuredly pass on the good will of the club.

Mention has been made in each newsletter as to paying your dues. This will be the LAST one for the few who are in arrears. Sure hate to see a reduction on the roster but fair is fair. If you pay by the next meeting your dues will be \$2.50 to carry you through to January and assure that your name is on the list and still receive the cheapest newsletter this side of the Mississippi. Word is out that next Jan. the fee for joining will be \$10.00 and the dues will remain at \$5.00. Save yourself the re-enlistment and pay your crummy dues NOW!!!!!!

Apologies are made here as to any typographical and or spelling errors as it is difficult (in order of importance) to be three sheets to the wind, listen for DX, monitor 2m, watch and listen to TV and type left handed on a right handed typewriter. Speaking of typewriters, does anyone have a good one stored somewhere. This one does not understand the needs of accuracy.

Hearty congratulations to Dave Palmer for obtaining his Novice license. He may now be referred to as the one and only KA7HID. Nice going Dave and have a ball. CW is really fun. I know as I used to do it all the time.... Ring a bell guys???

How about a FOR SALE section in this thing? Some of you must be horse traders or is everybody happy with ALL of their equipment. All kinds of things I would like to buy...



NEWS

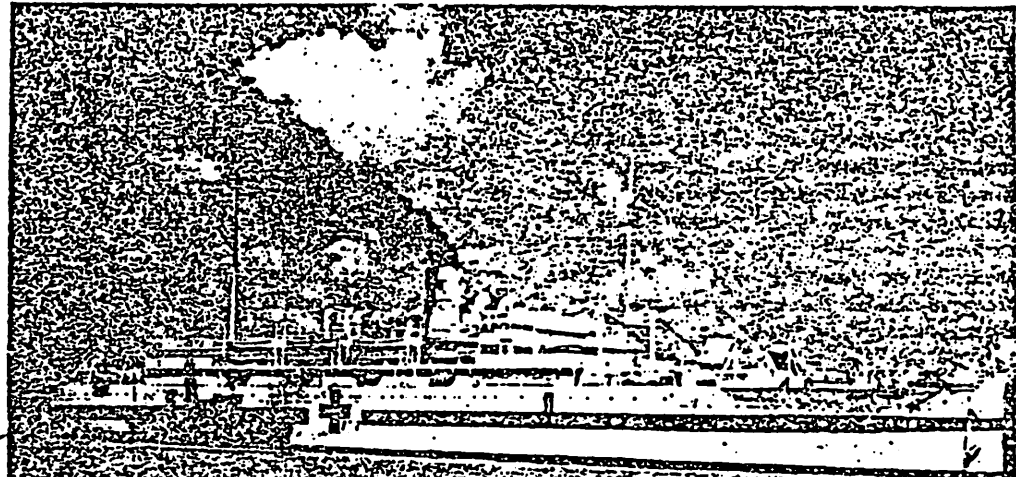
BULLETIN



An unusual YL . . . Esther Given, W6BDE



Esther Given, W6BDE.



USHS Chateau Thierry on which Esther served as chief radio operator.

When Esther Given sat for her FCC examination in late 1946, she was not worried about passing the code test. She had just completed 16 months of service as chief radio operator aboard the U.S. hospital ship *Chateau Thierry*.

Esther has one of the most unusual and most interesting radio backgrounds in the realm of YL operators. She was in the first class of WAC's sent to Army radio school back in 1942. After graduation she was assigned to an anti-aircraft command in Washington, DC. This was followed by an assignment at radio station WAR in the Pentagon.

She had another tour of duty in anti-aircraft at Camp Stewart, Georgia, and then came the big opportunity to go aboard ship. She was sent to a special school in Brooklyn, NY, where she had to "unlearn" all the military jargon, Z signals, message coding and five-letter code groups and learn to send and receive clear text at 40 wpm!

Thirteen of the WAC students were sent to sea on Army hospital ships and Esther was assigned to the *USHS Chateau Thierry*. She served as chief radio operator on the ship for the last nine months of her military service, and then for another seven months in civilian status.

When she "came ashore" in 1946, Esther took the amateur examination and was given the call W6BDE. She promptly became known as "Baby Doll Esther" and started setting new records in the field of Amateur Radio.

She became active in the Young Ladies Radio League and the BAYLARC YL club, and was instrumental in originating the "SWOOP," a program geared to entertaining XYLS at amateur conventions. (This audience participation fun show is still in demand and many an OM's shack proudly displays his YF's SWOOP certificate.)

In 1960 Esther was one of 24 amateurs in 6-land who were volunteer radio operators at the VIII Winter Olympics held at Squaw Valley, California. This group was an essential part of the communications system. Many areas were inaccessible to phone lines and reliable communication was essential to contestants and spectators.

In the past 15 years she has been editor of the BAYLARC's newsletter and has been involved in the creation and presentation of YL Fun Fests held on the West Coast. She modestly says that "making fun for Amateur Radio folks is her major contribution to the state of the art."

In 1974 "Baby Doll Esther" retired from the business world, where she had served as 4-H secretary for the county in which she resides. She is an active member of the Young Ladies Radio League, the Quarter Century Wireless Association and its new Quarter Century Wireless Women's chapter.

She is one of the few women in the Society of Wireless Pioneers, an organization of wireless telegraphers, most of whom were operators aboard ship or at shore stations carrying on marine communications. She was, in fact, the first woman to qualify for membership in this elite group.

She is also a charter member of the Half Moon Bay Amateur Radio Club.

She finds there are too few hours to accomplish the things a retiree plans to do, but she does find time to check into an occasional net and chat with old friends of the airways.

Keep an ear-out for "Baby Doll Esther," one of the most remarkable YLs on the air.



An organization of amateurs licensed over 25 years who are interested in preserving the history and traditions of Amateur Radio and in pioneering the developments of the future.

For information, write:
Quarter Century Wireless
Association

1409 Cooper Drive Irving, TX 75061

Paid-Your DUES ?

WHY-NOT ?

PROGRAMS

A special thanks to Wes, WWG, for the neat motorcycle racing film and also to WWR for the nice job of projectionist. A few unfortunates who were unable to attend missed out on two programs. Two nites before the meeting we had no program and all of a sudden we had TWO going for us. Jim Bouland of the Willamette DX Club gave us some info on how the DX bureau works and capped the evening with some good info on propogation. We have two DX-pedition type of programs coming up this summer and both of them will be, so to speak, DOOZIES. Hope you will be with us and not off on some silly vacation.

The program for this month will be put on by our good friends at ANTRONICS. For those of you who may not have heard of ANTRONICS, it is a Ham Radio store right in the heart of happy Hillsboro. Stan, W7NI, is the chap who gave us that terrific program on antennas and towers. He is the one with all that hardware in the sky in Aloha. His pal and business associate, Gordon, will be showing us an honest to goodness Pacific DX-pedition program. The program is one that they send out all over the world and of course stateside as well. This could very well turn out to be the best one yet. Sure don't want to miss it!

Once again our thanks to Portland Radio and the Watt Shop for the nice raffle goodies. Sure is neat to win something that is worth two or three times our annual DUES. We will have a raffle at the next meeting as well so bring a Buck and win something nice.

While were at it, thank you to Dennis, WB7VTG, for doing the copy job on the newsletter. Dennis has an in with one of the smaller companies that manufacture copiers. Xerox! Really turns out nice copy and it is a big help in relieving some of the work load. Thank you Dennis.

Attached are some pics of the Field Day site. Thought maybe some of the XYLS at home might be interested in seeing that we will not be out in the jungle somewhere. No dancing girls. Just good clean fun. Heh-Heh...

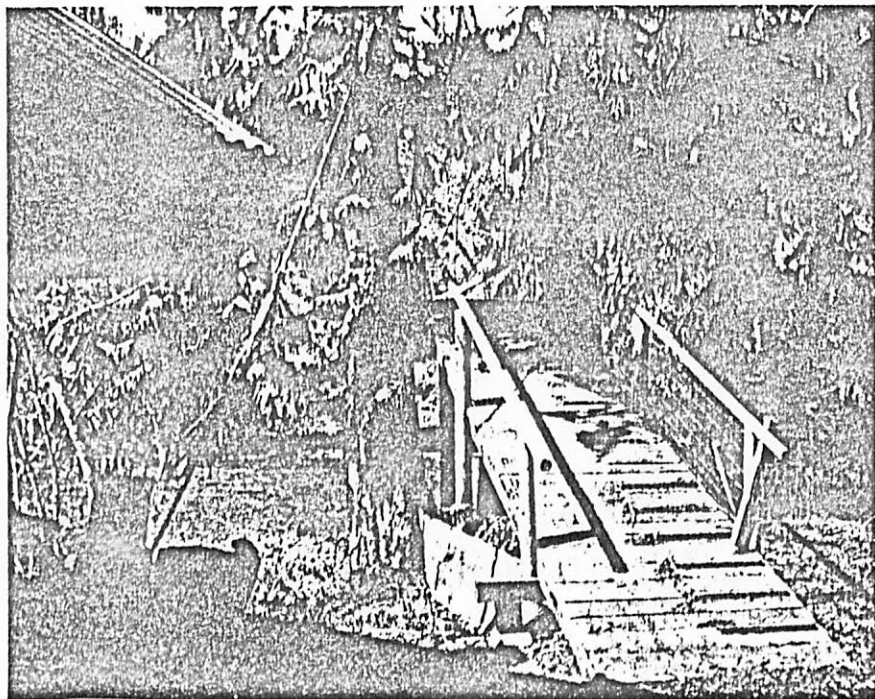
NEXT MEETING IS WEDNESDAY THE 21st. IT'S ALL THERE: PROGRAM-RAFFLE-GOOD FOOD-SERVICE-FUN ..
WEDNESDAY MAY 21 - 7:00 PM - ATTEND - ATTEND - CU.



Operating Site #2



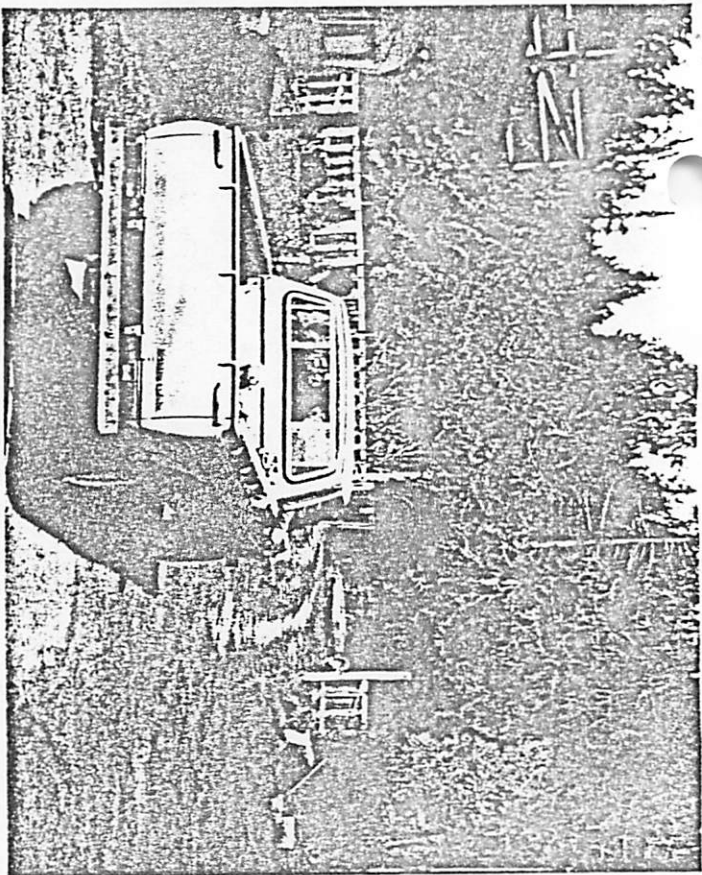
Clean Well Water - Hand Pumped



Old Bridge



Mess Hall & XYL¹ ETR-SIC & new TR



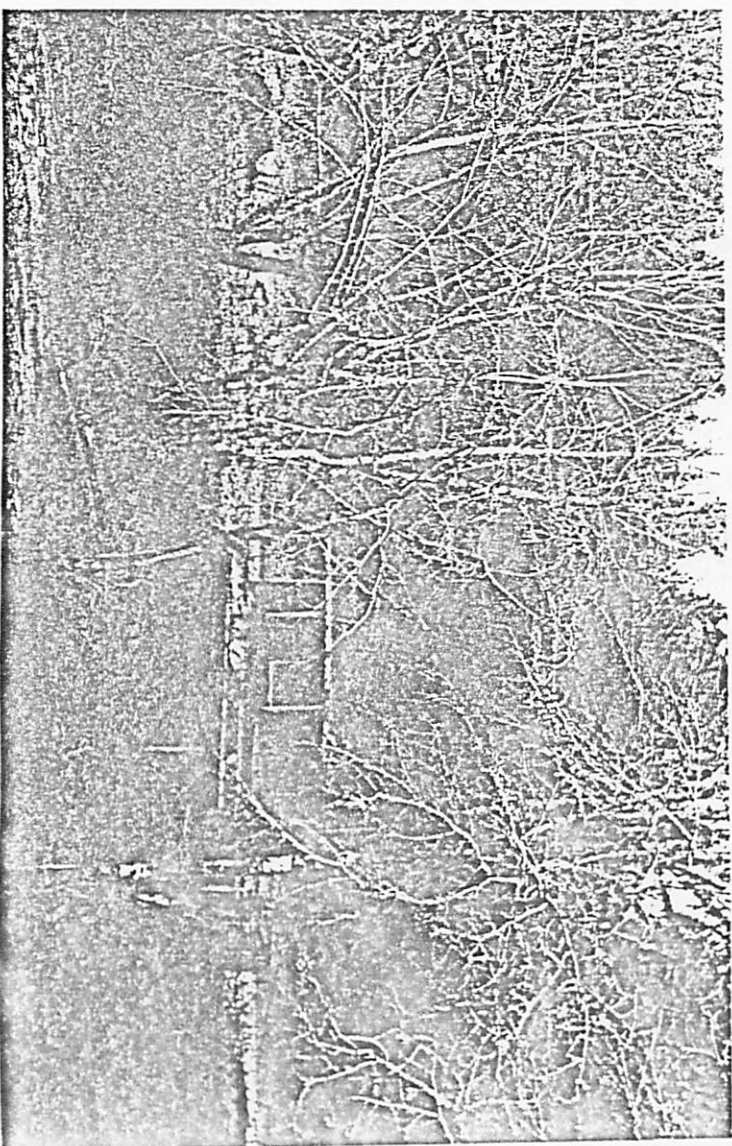
Field Day '80' "La Entrada"



Operating Site #3 and -



Outdoor Mess - Hall



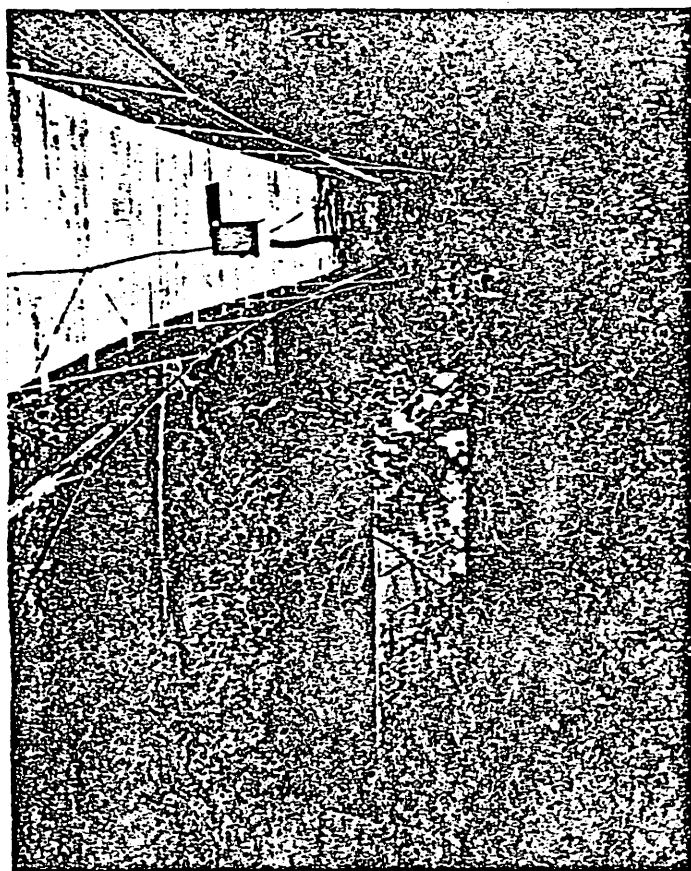
Operating Site #2 & Front Porch Fishing



O-Sol-O-M10 (site test)



Cook house & Foot Bridge



Cookhouse & Medit. (on stool)

Operating Site #1 (Trailer House)

